

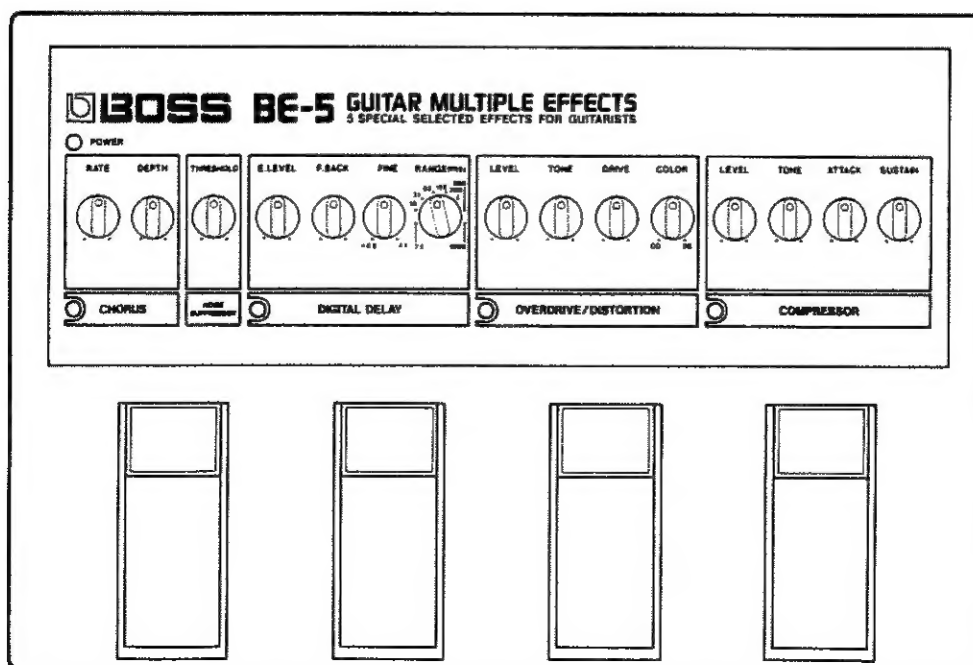


GUITAR MULTIPLE EFFECTS

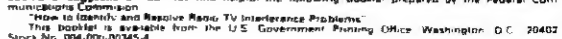
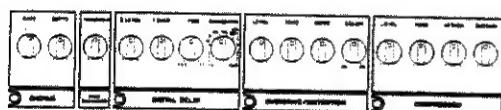
5 SPECIAL SELECTED EFFECTS FOR GUITARISTS

BE-5

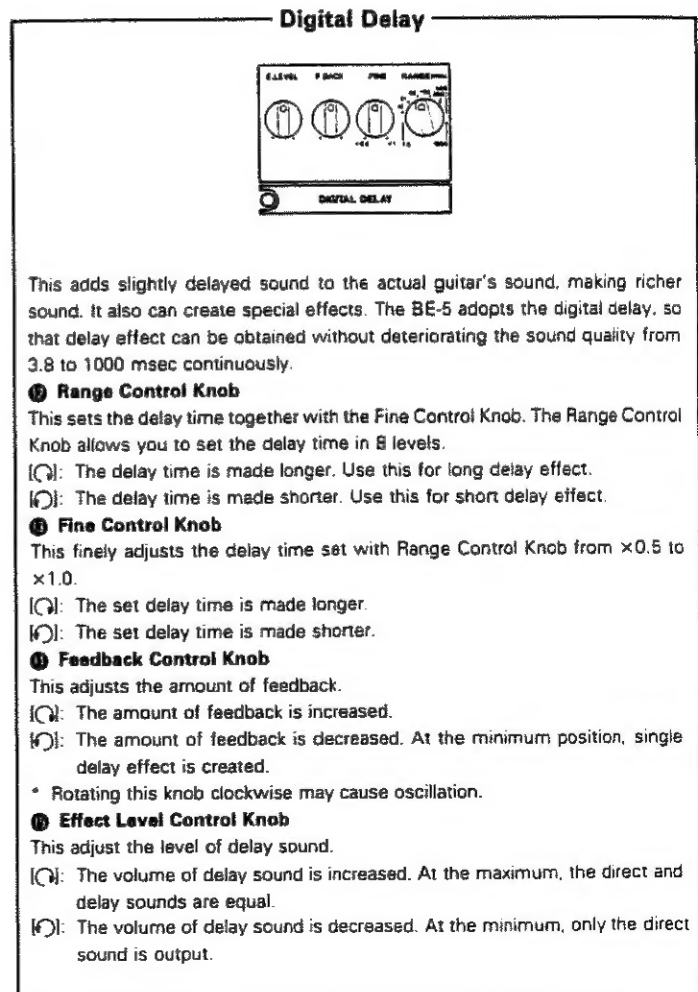
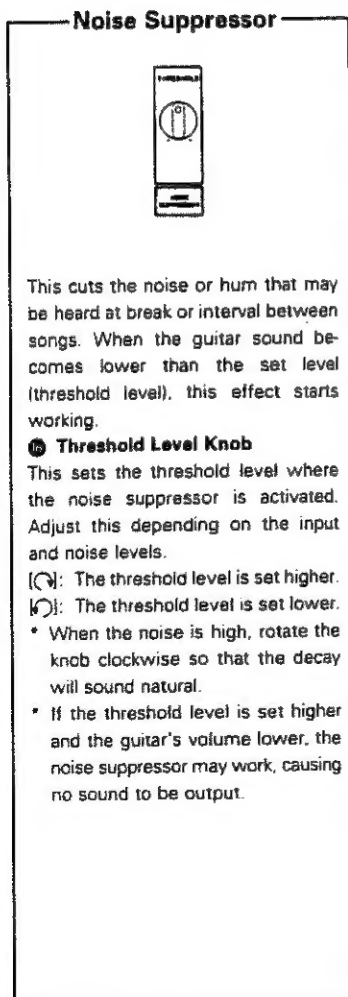
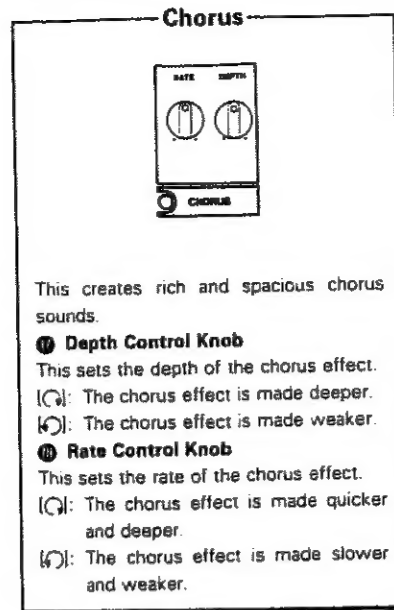
Owner's Manual

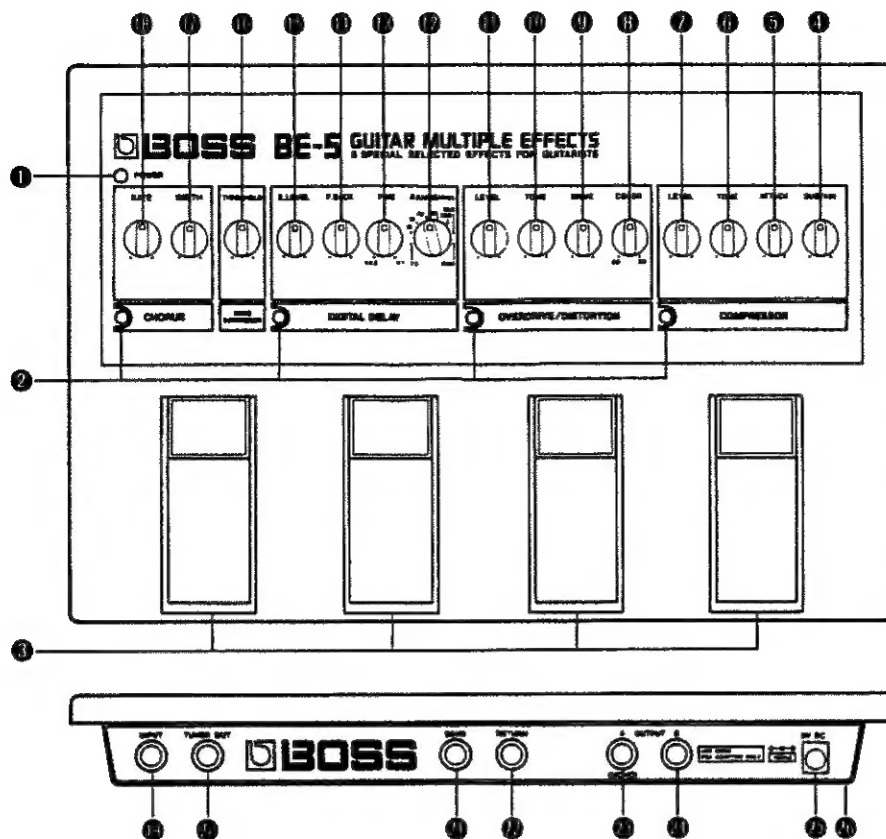


CONNECTIONS



PANEL DESCRIPTION





② Output Jack A (Monaural)

③ Output Jack B

These are to connect to guitar amplifiers.

- * When using only one guitar amplifier, connect it to the Output Jack A.
- * When using two guitar amplifiers, the same signals are output from the Outputs A and B with chorus off, while with chorus on Output A sends chorus sound (pitch changed sound) that contains no normal sound and the Output B sends normal sound.

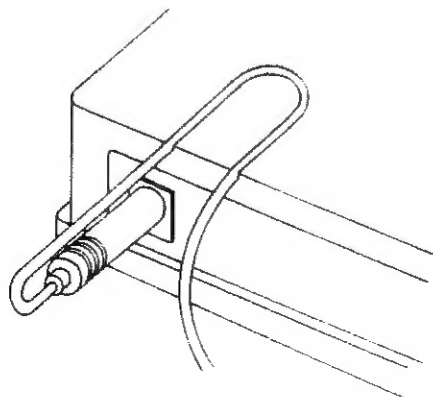
The BE-5 adopts the space compounding system, therefore, the chorus effect varies depending on the distance between the speakers. Please set the effect as you actually hear the sound.

④ AC Adaptor Jack

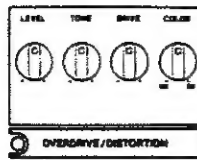
Connect an AC adaptor to this jack.

⑤ Cord Hooker

Attach the cord of the AC adaptor to the unit as shown in the picture to avoid disconnection of the adaptor plug.



Overdrive/Distortion



This effect creates overdrive or distortion which is essential for Rock or Heavy Metal sounds.

1 Color Control Knob

This BE-5 includes both overdrive and distortion effects. By adjusting the volume balance of these effect sounds, you can obtain single effect or mixed sounds.

[C]: Distortion sound is increased.

[C]: Overdrive sound is increased.

* At the fully clockwise or counterclockwise position, only either of the effects is obtained.

2 Drive Control Knob

This controls the depth of the overdrive/distortion effect.

[C]: The distortion of sound is emphasized, resulting powerful sounds.

[C]: The distortion of sound is cut, resulting softer sounds.

3 Tone Control Knob

This controls tone of the overdrive/distortion sound.

[C]: Higher frequencies are emphasized, creating sharp sounds.

[C]: Higher frequencies are cut, creating soft sounds.

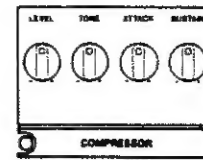
4 Level Control Knob

This adjusts the volume of overdrive or distortion sound. Adjust this knob so that there will be no volume difference between the effect and normal sounds.

[C]: Effect sound is increased.

[C]: Effect sound is decreased.

Compressor



This effect cuts higher amplitude and boosts lower amplitude, for creating a long sustain effect without distorting the direct sounds.

1 Sustain Control Knob

This controls the sustained time of sound.

[C]: Sustained time of sound is made longer.

[C]: Sustained time of sound is made shorter. At its minimum position, the knob cuts the maximum input signal, working like a limiter.

2 Attack Control Knob

This controls the intensity of the picking attack.

[C]: Each note takes on attack even in quick performance, therefore sharp sound is created.

[C]: Picking attack is lowered.

3 Tone Control Knob

This controls tone of the guitar sounds.

[C]: Higher frequencies are emphasized, creating sharp sounds.

[C]: Higher frequencies are cut, creating soft sounds.

4 Level Control Knob

This controls the volume when the effect is on. Adjust this knob so that there will be no volume difference between the effect and normal sounds.

[C]: The level of effect sound is increased.

[C]: The level of effect sound is decreased.

1 Power Indicator

This lights up when the AC adaptor is plugged in the AC Adaptor Jack, showing that the unit is ready to be used.

2 Effect Indicators

This lights up when the corresponding effect is turned on, and therefore can be used as an on/off indicator of each effect.

3 Pedal Switch

Pressing the pedal turns on or off the effect.

19 Input Jack

Connect a guitar to this jack.

20 Tuner Output Jack

The Tuner Output Jack sends guitar signals for tuning constantly. Connect a tuning unit so that you can achieve tuning at any time

21 Send Jack

22 Return Jack

By connecting an external device such as an effect, an additional function can be set between the overdrive/distortion and digital delay.

* How to set up an external device is shown in "CONNECTIONS"

[Setup Examples]

The following shows how to set up a unit to the Send/Return jacks

- ☐ Connect a foot volume (FV-50L)

The foot volume is connected pre digital delay for creating natural decay with remaining delay in violin performance

- ☐ Connect an equalizer (GE-7)

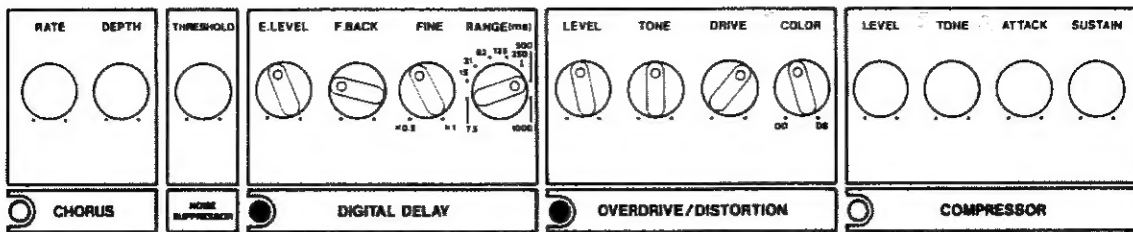
The equalizer allows you to change the tone of sound

- ☐ Connect a pitch shifter (PS-2)

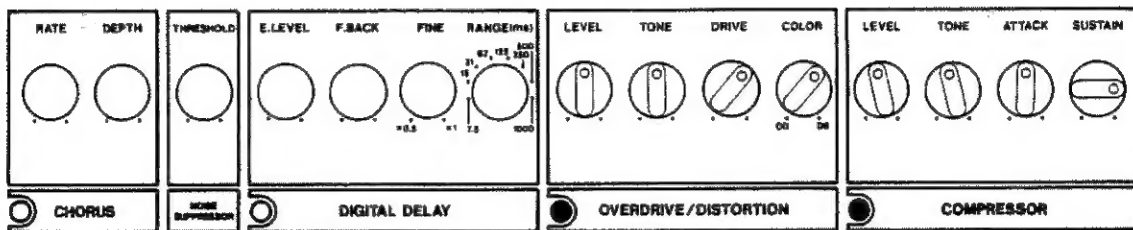
By adding a sound of shifted pitch, you can obtain such effect as two guitars are playing

SETTING EXAMPLES

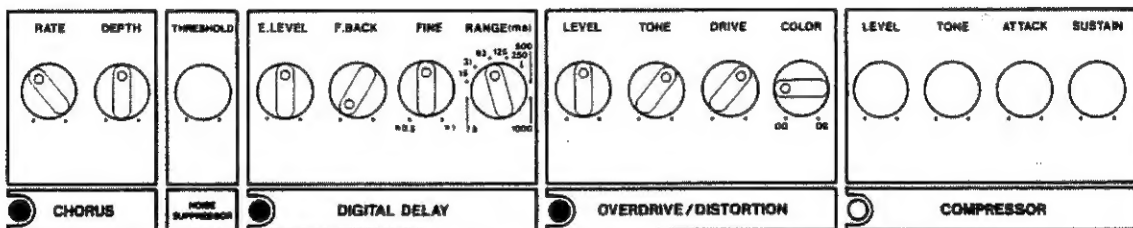
• Long Delay Lead Sound



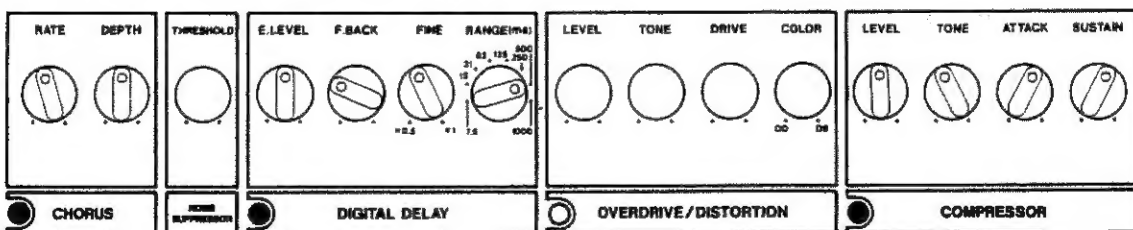
• Long Sustained Lead Sound



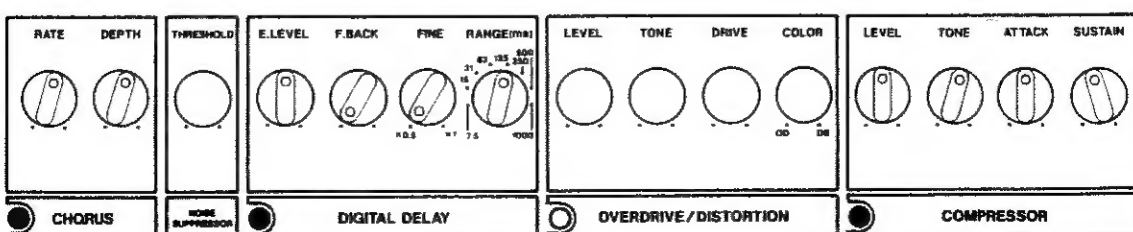
• Solid Lead Sound



• Lead Sound without distortion



• Cutting Sound



IMPORTANT NOTES

- Be sure to use the supplied AC adaptor (PSA-120/-220/-240).
- The appropriate power supply for this unit is shown on its name plate. Please make sure that the line voltage in your country meets the requirements.
- Do not use the same socket used for any noise generating device. (such as a motor or variable lighting system.)
- When disconnecting the power plug from the socket, do not pull the cord but hold the plug to avoid damaging the cord.
- Avoid damaging the power cord.
- If the unit is not to be used for a long period of time, unplug the cord from the socket.
- Before setting up this BE-5 with other devices, turn this unit off along with all other units.
- Avoid using this device in excessive heat or humidity conditions, or where it may be affected by direct sunlight or dust and avoid places subject to high vibration.
- Operating the unit near a neon light, fluorescent lamp, TV or CRT Display may cause noise interference. If so, change the angle or the position of the unit.

- Do not place or drop anything heavy on the main unit or its power cord.
- For cleaning the unit, use a dry and soft cloth.
- If the casing is stained, use a cloth slightly dampened with water.
- To remove stubborn stains, clean the casing with a cloth moistened with a neutral detergent, then wipe it dry with a soft cloth.
- Do not use solvents such as paint thinner when cleaning.
- Adjust the volume control to a level that will not disturb the neighborhood, especially at night when sounds can travel over long distance.
- Do not allow fluid or foreign matter, such as water, beverages, coins and wires, to enter this unit.
- Do not examine or modify the internal components or circuitry. Electrical shocks or damage may result.
- Do not subject this unit to strong shocks, or move it while the power is on.
- If this unit fails to operate correctly, turn it off immediately and contact your Roland dealer.

SPECIFICATIONS

CONTROLS

- ① **Compressor**
Sustain, Attack, Tone, Level
- ② **Overdrive/Distortion**
Color, Drive, Tone, Level
- ③ **Digital Delay**
Range, Fine, Feedback, Effect Level
- ④ **Noise Suppressor**
Threshold Level
- ⑤ **Chorus**
Depth, Rate

SWITCHES

Pedal × 4

INDICATORS

Effect × 4
Power × 1

JACKS

Input, Output A (Monaural), Output B,
Tuner Output, Send, Return

ELECTRICAL CHARACTERISTICS

- **Input**
Rated Input Level: -20dBm
Input Impedance: 1M Ω
- **Tuner Output**
Rated Output Level: -20dBm
Output Impedance: 2k Ω
Output Load Impedance: More than 20k Ω
- **Effect Send**
Rated Output Level: -20dBm
Output Impedance: 1k Ω
Output Load Impedance: More than 10k Ω
- **Effect Return**
Rated Input Level: -20dBm
Input Impedance: 47k Ω
- **Digital Delay**
System: 12 bit (8 bit at 1000ms range)
equivalent analog logarithm
compression
Delay Time: 3.8 to 1000 msec
Frequency Response: Delay = 20Hz
to 15kHz (± 3 dB)
Residual Noise: Less than -90dBm
(IHF-A) (at $\times 0.5$)

Chorus

Frequency Response: 30Hz to 13kHz
(± 3 dB)

Residual Noise: Less than -90dBm
(IHF-A)

Power: 9VDC (AC Adaptor PSA-120, 220 or 240)

Current Draw: 150mA (maximum)

Dimensions: 300(W) × 40(H) × 200(D)mm
11-3/4" × 1-9/16" × 7-7/8"

Weight: 950g/2lb 2oz (without AC Adaptor)

Accessories: Owner's Manual

Options: Chromatic Tuner (TU-12, TU-12S)
Foot Volume (FV-50L)
Equalizer (GE-7)
Pitch Shifter (PS-2)

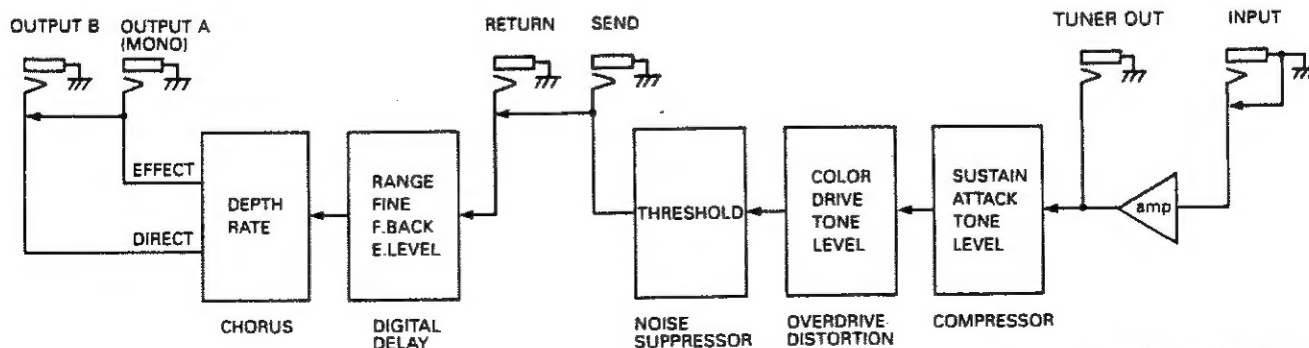
* Specifications are subject to change without notice.

For Canada

CLASSE B NOTICE
This digital apparatus does not exceed the Class B limits for radio noise emissions set out in the Radio Interference Regulations of the Canadian Department of Communications.

CLASSE B AVIS
Cet appareil numérique ne dépasse pas les limites de la classe B au niveau des émissions de bruits radio-électriques fixés dans le Règlement des signaux parasites par le ministère canadien des Communications.

BLOCK DIAGRAM



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 Roland®

2603059200

UPC

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